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- (71) Applicant (for all designated States except US): KNOLL AKTIENGESELLSCHAFT [DE/DE]; D-67061 Ludwigshafen (DE).
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(72) Inventors; and

(75) Inventors/Applicants (for US only): FRASER, Douglas, Clark [GB/GB]; R4 Pennyfoot Street, Nottingham, NG1 1GF (GB). ST-GALLAY, Stephen, Anthony [GB/GB]; R3 Pennyfoot Street, Nottingham, NG1 1GF (GB).

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(54) Title: HUMAN HOMOLOGUE OF BOVINE NEUROENDOCRINE SECRETORY PROTEIN, NESP55, POLYNU-CLEOTIDES AND USES THEREOF LINKED WITH OBESITY

TRLEVPKRMDRRSRAQQWRRARHNYNDLCPPIGRRAATALLWLSCSIALLRAL
ATSNARAQQRAAAQQRRSPLNAHHRSGAQVFPESPESESDHEHEEADLELSLP
ECLEYEEEFDYETESETESEIESETDFETEPETAPTTEPETEPEDDRGPVVPK
HSTFGQSLTQRLHALKLRSPDASPSRAPPSTQEPQSPREGEELKPEDKDPRRD
PEESKEPKEEKQRRRCKPKKPTRRDASPESPSKKGPIPIRRH

(l)

MDRRSRAQQWRRARHNYNDLCPPIGRRAATALLWLSCSTALLRALATSNARAQ QRAAAQQRRSFLNAHHRSGAQVFPESPESESDHEHEEADLELSLPECLEYEEE FDYETESETESEIESETDFETEPETAPTTEPETEPEDDRGPVVPKHSTFGQSL TQRLHALKLRSPDASPSRAPPSTQEPQSPREGEELKPEDKDPRRDPEESKEPK

(II)

EEKQRRRCKPKKPTRRDASPESPSKKGPIPIRRH

(57) Abstract: A polypeptide derivable from human NESP55 wherein the said polypeptide is derivable, or predicted from the amino acid sequence of human NESP55 to be derivable, by endoproteolytic cleavage of a polypeptide having the amino acid sequence (I) or (II) (human NESP55) or of a variant thereof, wherein the polypeptide variant has an amino acid sequence which has at least 90 % identity with the amino acid sequence given above. NESP55 or fragments thereof may be useful in medicine for the treatment of obesity.

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C. DOCUME	NTS CONSIDERED TO BE RELEVANT	·-				
Category °	Citation of document, with indication, where appropriate, of the rela	evant passages	Relevant to daim No.			
х	HAYWARD B E ET AL: "BIDIRECTIONA		1-19			
	IMPRINTING OF A SINGLE GENE: GNAS1 ENCODES MATERNALLY, PATERNALLY, AND BIALLELICALLY DERIVED PROTEINS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 95, December 1998 (1998-12), pages 15475-15480, XP000946062					
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Υ .	the whole document		20-22, 29-31, 33.			
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Further documents are listed in the continuation of box C. Patent family members are listed in annex.						
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Intern: at Application No PCT/EP 00/06921

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Y	ISCHIA R ET AL: "MOLECULAR CLONING AND CHARACTERIZATION OF NESP55, A NOVEL CHROMOGRANIN-LIKE PRECURSOR OF A PEPTIDE WITH 5-HT 1B RECEPTOR ANTAGONIST ACTIVITY" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 272, no. 17, 25 April 1997 (1997-04-25), pages 11657-11662, XP000946065 ISSN: 0021-9258 the whole document	1-22, 29-31, 33, 36-39, 43-46, 48-52
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 23-35, 40-42, 47 and 49 to 52 partially

The interacting polypeptides, nucleic acid encoding therefore and antagonists of claims 23 to 28, compounds identified by the method of claims 29 or 30, the compounds of claims 40 to 42 and compound identified by the method of claim 44 or 45, and methods 49 to 51 and use claim 52 as far as they relate to the compound of claim 47, are insufficiently characterized, comprising no technical features of the products per se, consequently a complete and meaningful search is not possible.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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